

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Christopher J. ZIOLKOWSKI
Maximillian J. KIEBA

Title: LONG RANGE DATA TRANSMITTER FOR
HORIZONTAL DIRECTIONAL DRILLING

Express Mail No.: EL649158779US

Date of Deposit: 07 October 2003

INFORMATION DISCLOSURE STATEMENT

Mail Stop PATENT APPLICATION

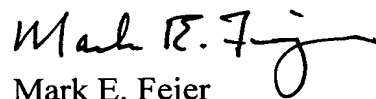
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with Rules 1.56 and 1.98, the references listed on Form PTO-1449 are hereby brought to the attention of the Examiner as being possibly material to examination of the subject patent application.

Form PTO-1449 (1 page) is enclosed with a copy of each and every reference cited on Form PTO-1449.

Respectfully submitted,



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FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

GTI-1525

SERIAL NO.

LIST OF PRIOR ART CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT(S)

Christopher J. ZIOLKOWSKI et al.

FILING DATE

07 October 2003

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,249,259 B1	06/2001	Goodman et al.			
	AB	5,961,252	10/1999	Mercer et al.			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

DATE CONSIDERED

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-3985

p1005.1/ 20